No.



7800089

THE UNIVERD STRAILES OF AVIERRICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Ferry Morse Seed Company

Whereas. There has been presented to the

potentials. Ou y Exercises quanto

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, therefore, this certificate of plant variety protection is to grant unto the said applicant(s) and the successors, heirs or assigns of the said applicant(s) for the term of seventeen —— years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic ed of the variety in a public repository as provided by LAW, the right to expediting the variety, or offering it for sale, or reproducing it, porting it, or exporting it, or using it in producing a hybrid or different therefrom, to the extent provided by the Plant Variety Protection Act \$42, as amended, 7 u.s.c. 2321 et seq.)

LETTUCE

'Calsweet!

In Testimony Waterrot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 21st day of December in the year of our Lord one thousand nine hundred and seventy-eight

Attest

Edminissioner

Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Blecretary of Agriculture

UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE GRAIN DIVISION HYATTSVILLE, MARYLAND 20782

FORM APPROVED OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse. 1. VARIETY NAME OR TEMPORARY	2. KIND NAME	FOR OFFICIA	AL USE ONLY
DESIGNATION	PV NUMBER,		089
Calsweet	Head Lettuce 4. FAMILY NAME (Botanical)	FILING DATE	TIME
3. GENUS AND SPECIES NAME	Compositae	6-19-78	2.30 P.M.
Lactuca sativa		\$ \$ 2.50 .00	BALANCE DUE
report to the second of the se	5. DATE OF DETERMINATION	1 × 0 × 0 00	\$
ployer of the br	eder, t ime 1543 hrough pur	\$250.00	10-16-78
6. NAME OF APPLICANT(S)	7. ADDRESS (Street and No. or R.F.D. No.,	City, State, and ZIP	8. TELEPHONE AREA CODE AND NUMBER
FERRY-MORSE SEED COMPANY	Code)		(415) 967-6973
Dr. George C. Emery, uggasti	Box 100 saper cod	Seeds sub-	(413) 907-0973
Breeder specimens or pho	os111 Ferry Morse Way and callifornia	omberreous 94042 and biss	Alteria
			11. DATE OF INCOR-
9. IF THE NAMED APPLICANT IS NOT A PER ORGANIZATION: (Componention, partnership,	association cate) to a second will of	8664.	PORATION
THE WEST Corporation:	ons All be fulshed Calife	rniao so de-	7 April 1969
12. Name and mailing address of applic	ant representative(s), if any, to serve	in this application a	nd receive all papers:
#####################################	V.bBrondyke; Executives Vic	e President	~
THE STEEL SECTION	-Morse: Seed: Company ବର୍ଷ ବ୍ୟ	escribe the	
one brown \$411cE	'erry∈Morse Way, P. 0.eBox:10	Otage, Elover-	
yyp gynan' Gyn⊕ Mount	ain View, California 94042	he seed and of	
			Cons
13. CHECK BOX BELOW FOR EACH ATTACH	MENT SUBMITTED:	on 52 of the Plant Vo	ariety Protection Act.)
X 13A. Exhibit A, Origin and blee	eding History of the Variety (See Section of the Variety (plication and	
X 13B. Exhibit B, Botanical Desc	details of subsequent stage tription of the Auteth Philippin in the Carlett	se of selection.	
varieties: IIIee	i or cloust daed, and the by darking of cube	reeding method,	
X 13C. Exhibit C, Objective Desc	geneelouy, including public tibtion of the Aarieta and the ba	and commercial	
Act and decision	of Novelty	er Awa ar com er Awa ar com	
X 13E. Exhibit E, Statement of th	e Basis of Applicant's Ownership	Fr. and Indonésia da daganist. Fr. Ann. and Ann.	70
14A. Does the applicant(s) specify that (See Section 83(a), (If "Yes," an	t seed of this variety be sold by variety	YES X NO	
148. Does the applicant(s) specify tha	t this variety be 1000 if 168, to		erations of production
The second secon	and l nevong bree	der seed?	Dar A CERTIFIED
your Elles, All iter	NO TE FOUNDATI	on selfineralden∈	y
and of a certificate and will be reple	sample of basic seed of this variety we enished periodically in accordance wit	n such regulations a	3 may be appricable
	- compally reproduced novel plant vari	ety believes that the	variety is distinct,
uniform, and stable as required in S Plant Variety Protection Act.	ection 41 and is entitled to protection	unaer the provisions	
Applicant is informed that false rep	resentation herein can jeopardize prote	ection and result in p	negariy
1 1 1000	1	1/12 des	1/8/
(DATE)	- My St	SIGNATURE OF APPLY	ANTI
-EOSE ON- 430 (STACSSE)	- ofer	were well	march -

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(OVIE)	e effective. One of any first to the prior sharest first sharest share	(SIGNATURE OF APPLICA	(ML)(
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Applicant is informed that to secretar	resentation here is the companies prot	ection and result in pe	regions w
Flow Variety Pair chow Act.	÷	-	•
GENERAL . Send an ori	Einal coby of the abblicati ection 41 and is entitled to protection	nuge: the bioessious	o√zecnou 45 0\ spe \$250:00
fee to U.S. Dept. of	Agriculture, Agricultural M	arketing-Service	araix is granner
Division, 6525 Belcre	st Road, Hyartsville, Maryl	and 20782. O'Se	e Section may be applicable.
180.175 of the regula	ations and rules of practice	.) Retain one c	oby tor
your files. All item	as on the face of the form a	re self-explanat	ory CESHLED
in unless noted below no		, .	the seconds?
*** Days the applicants) specify tha		o 14B, bow many gene	rations of production
(Sec 1.12. War & Start	swer 14B and 14C below.)	YES X NO	*
144 Does the applicant(*) specify that	the applicant determined the	iy name only as a clas	
X Free Expirit Le Statement at the	the definition in section	41 (a) of the	WO HARR SMA
Act and decision	is made to increase the sec	ed.	Million our
·	·		(\$11.81/2)
13a First, give the	genealogy, including public	and commercial	18) Test (18)
varieties, lines	: or clones used, and the bi	reeding mernod.	E & 4-8 6
Second, give the	details of subsequent stage	es of selection	周兔 河
and multiplicati	on. Inita, indicate the ty	pe and frequen-	19 14 19 19 19 19 19 19 19 19 19 19 19 19 19
X 134. Exhibit A. Ofigin and Bree	uring reproduction and mult:	iplication and	IN THE TOWN AS
state now these	variants may be identified.	Fourth, pro-	87gr 1.a
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ety grown under	the same conditions, and inc	licate the differ	
		*** *****	d receive all papers;
	orm will be furnished by the		7 April 1969
i je the named applicant is not a per Obganizatiom: ecitoe:ofiloges#7	sacvariety for each kind of		11, DATE OF BROOM- PURATION
-	dakaujugisatike ofahokefth	, Seed and plant	1 1300 a. s.c.
preserve clearly indicati	ng novelty may be submitted.	Seeds sub-	() () () () () () () () () ()
PERRY-MORSEmsffgggGGGGATAPS at	erile.		(415) 967-6973
	(Cotte)		CODE FRO NUMBER
13e Indicate whether	applicant is the actual bre	eder, the em-	S. TELEPHONE AREA
ployer of the bro	eeder, the g wher χ through pur	chase or in-	
heritance, etc.	Provision os assemble con-	13 4 2 5 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
<u>Lactuca sativa</u>	S. DATE OF DETERMINATION	* FEE RECEIVED . 5 (5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BALANCE DUE
	Compositae	3	W A CEWA
GENIG AND SPECIES NAME.	A. FAMILY NAME (Bolonical)	ELTING DVAR	THE A PARTY
Calsweet	Head Lettuce :	T (Qrass	1/2/2
CEREMATION		Frenchibes 701111	100
ADMILL BYRE OF LINGORYEA	2. KIND NAME	LOU CLEICIP	L USE ORLY

VARIETY: <u>Calsweet</u> (formerly <u>E4217</u> (formerly <u>3C-56</u> (formerly 3C-X9C(A) 2(DM)Ms(S)B(DM)Ms(C)Ms)))

EXHIBIT A: Origin and Breeding History of the Variety.

<u>Calsweet</u> was selected by the pedigree method from the cross 3C-X9, (G.L.66A x Calmar).

The cross between Great Lakes $66A \times Calmar$ was made in the green-house at San Juan Bautista, California in the early spring of 1968. F2 seed was obtained from several individual F1 plants in the San Juan Bautista greenhouse in the summer of 1968. The F2 progeny of the 3C-X9C F1 plant planted in the field in E1 Centro, California in October of 1968 was noted to be segregating for several characteristics. Five single plant selections were made on January 15, 19X9, and brought to F3 seed maturity in the San Juan Bautista greenhouse that spring.

HF 9/22/78

The F_3 seed (3C-X9C(A)2) was planted out in a Downy Mildew test (race common to the Salinas Valley in 1960 and early 1970's) on June 17, 1969, and was found to be segregating 40 resistant plants to 18 susceptible plants.

 F_4 seed from several of the Downy-Mildew resistant plants was bulk-massed and planted out in a Salinas Valley, California trial on March 20, 1970. The F_4 bulk-mass row (3C-X9C(A)2(DM)Ms was noted to be slightly earlier maturing then Calmar with slightly lighter color, smoother heads, and less well-wrapped. The second selection of seven single plant selections made from this row was noted to have an excellent color and a slight Calmar rugoseness.

Eleven plants from the F_5 seed of the Salinas Valley selection, 3C-X9C(A)2(DM)Ms(S)B, were grown out and brought to seed maturity in 1972. The F_6 progeny seed of 4 of these plants was found to be homozygous resistant to the common race of Downy-Mildew in the Salinas Valley; the F_6 seed of these 4 plants was bulk-massed.

The F_6 bulk-massed seed, 3C-X9C(A)2(DM)Ms(S)B(DM)Ms, was grown out in two trials in the Salinas Valley in the late winter and early spring of 1973. In both trials the line rated very well and was considered worthy to be increased as a possible new variety. The line was redesignated 3C-56.

Fifty F_6 plants were tested in the greenhouse and found resistant to the common race of Downy-Mildew; 48 of the DMR plants were maintained free of LMV, brought to seed maturity, and the F_7 seed bulk-massed. This F_7 seed was sent to Australia for a 1974-75 off season increase.

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Variety: <u>Calsweet</u> (continued)

In trials in the spring of 1974, 3C-56 continued to perform well in the Salinas Valley area. The line was given experimental variety status on August 28, 1974, and redesignated <u>E4217</u>.

 $\underline{\text{E4217}}$ rated well in spring trials of 1975 in the Salinas Valley, but was not outstanding in trials during the hot, dry drought year of 1976.

The name <u>Calsweet</u> was submitted as the designation for ± 4217 on September 8, 1977.

(continued)

September 14, 1978

VARIETY: Calsweet (formerly $\underline{E4217}$ (formerly $\underline{3C-56}$ (formerly 3C-X9C(A)2(DM)Ms(S)B(DM)Ms(C)Ms)))

EXHIBIT A: Origin and Breeding History of the Variety.

Addendum: "Type and frequency of variants and evidence of stability".

During the period of seed multiplication and testing from 1973 to 1977, Calsweet was grown out in 12 trials for observation and seed increase purposes. No variant type plants were noted or recorded amongst a total of 810 plants. The variety is considered to segregate no distinct genetic variant types and to be genetically stable for the significant characteristics of the variety.

March 27, 1978

7800089

VARIETY: <u>Calsweet</u> (formerly <u>E4217</u> (formerly <u>3C-56</u> (formerly 3C-X9C(A) 2(DM)Ms(S)B(DM)Ms(C)Ms)))

EXHIBIT B: Botanical Description of the Variety:

The white seed of <u>Calsweet</u> germinates rapidly with rapid seedling emergence. Early growth is vigorous. Seed vigor and early growth is generally more vigorous than with Calmar seed.

Best crisp head development for <u>Calsweet</u> is under the cool, coastal conditions of the West Coast. In the Salinas Valley the best head size occurs with March plantings to be harvested in June. Under these conditions Calsweet matures 4 to 5 days ahead of Calmar.

Under increasingly warmer more humid conditions there is an increasing frequency of non-heading, large leafy plants in Calsweet, with head formation being more spirraly, less rounded, butts sloping, and interiors loose. Under high light intensity conditions Calsweet will show sun-burning on outer head leaves.

Calsweet develops large plants with medium large frame leaves (just slightly smaller than Calmar). The medium large frame leaves generally go high and close to the head. The broad leaves of Calsweet are a glossy dark grey-green like the variety Great Lakes, but slightly lighter green than Calmar. The leaf surface is only slightly blistered and wrinkled, much less so than Calmar. The leaf margin undulates and has sinuate indentation. The 1.25 lb. heads are generally rounded with slightly flattened butts, measuring 11 to 12 cm wide and 11 to 12 cm deep. The stem (core) diameter of the butts is medium in width, averaging 2.6 cm. The petioles of the head leaves as they attach to the core are slightly ridged or ribby. The flavor of Calsweet is generally sweet, more so than Calmar. Calsweet is more tolerant to tipburn than Calmar.

The bolting maturity of Calsweet is similar to or slightly later than Montemar, but much later than <u>Calmar</u>.

EXHIBIT C

GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

OBJECTIVE DESCRIPTION OF VARIETY

NAME OF THE SEC REVERSE.	(LET	TUCE)	•	
NAME OF APPLICANT(S) FERRY-MORSE SEED COMPANY			FOR OFF	ICIAL USE ONLY
Dr. George C. Emery Breeder ADDRESS (Street and No. of R.F.D. No., City,	State and ditte		PVPO NUMBER	7800089
111 Ferry-Morse Way	State, and ZIP Code)		297 –	
P. O. Box 100			VARIETY NAME OF DESIGNATION	RTEMPORARY
Mountain View, CA 94040			CA 1	LSWEET
Place the appropriate number that des	cribes the varietal cl	naracter of this varie	ty in the boxes b	elow.
10 = CUTTING (Lead)	20 = STALK	COS 31 = SELF-CI GROUP		CRISPHEAD 41 = IMPERIAL GROUP
50 = BUTTERHEAD	60 = LATIN	32 = LOOSE-0	CLOSING	42 = GREATLAKE GROU
SEED COLOR:		GROUP		43 = VANGUARD OR VALVERDE GROUP
1 = WHITE 2 = BLACK	3 = YELLOW	ANTHOCYANIN: 1 1 = ABSENT	2 = PRESENT	
LEAF CONTAINING ANTHOCYANIN: 4 1 = COVERED 2 = SPOTTED	2	,		
	3 = ALONG MARGIN	4 = OTHER (Specify	None None	
LEAF SURFACE:				-
2-4 1=SMOOTH 2=BLISTERED	3 = DULL 4 =	GLOSSY 5 = OTHE	R (Specify)	
LEAF MARGIN:				
1-4 I = WAVY 2 = CURLED :	3 = DENTATE 4 = II	NCISED 5 = DEEPL	Y INCISED	
3 1 = ROUNDED 2 = POINTED	3 = BROADER THAN LONG	4 = LONGER THAN BROAD	= OTHER (Specify)	
LEAF COLOR (See Reverse.) = RED	4 = YELLOW	ISH-GREEN 7 = DA	ARK-GREEN	
5 2 = REDDISH-B 3 = YELLOW	ROWN 5 = GREYISH 6 = BLUE-GR	-GREEN 8 = VE	RY DARK GREEN	
HEADS:		LANT SIZE (See Revers		
2 = FLATTENED 4 = POINT	. 11	3 1=SMALL 2	2 = MEDIUM 3 =	LARGE
CULTURE:				
3 1 = SUMMER CROP 2 = WIN	TER CROP 3 = OT	HER (Specify) Pac	ific Coast -	Spring
IZE OF 10-DAY OLD SEEDLING GROWN UNDE	R CONSTANT LIGHT (Gr	owth Chamber) AT 25° C.	(Place a zero la fil	re hou (i o FOT 27)
6 5 mm. LENGTH OF SEEDLING	· []	H OF COTYLEDON		
DISEASE RESISTANCE TO: (Enter a zero in bo	ces where there is no spec	ific disease tesistance	0 3 1	WIDTH OF COTYLEDON
1 1 = TIPBURN 0 3 = DAMPING OFF	1 1		= OTHER (Specify)	· · · · · · · · · · · · · · · · · · ·
0 2 = MOSAIC 4 4 = DOWNY MILDE (CETTAIN	Margello I - Puchu	BLIGHT		
UTLINE THE FOURTH LEAF (For standardizar	ion purposes, the fourth is	of should be taken from	o 20-day old plant gr	own under constant light.)
	man	1		
	~	1401 10	and the second of the second o	

CHARACTER				NAME OF VARIET	Υ	
Leaf color			. (Freat Lake 66		
Leaf pigmentar	ion		. (Calmar		
Leaf shape			(Calmar		
Plant size			. (Calmar		
Head size			(Calmar		
VARIETY	NO. OF DAYS TO HEAD MATURITY UNDER WINTER CROPPING	1	NO. OF DAYS TO HEAD MATURITY UNDER SUMMER CROPPING	LOCATION	NO. OF DAYS TO SEED STALK EMERGENCE UNDER SUMMER CROPPING	LOCATION
Submitted	10%	Calif. Salinas Valley	83	San Juan Bautista,CA	75	Yuma, Ariz
Similar	107	99	83	j j	80	Yuma, Ariz
Name of	Calmar		Calmar		Super 59	

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for completing this form:

- 1. C. M. Rodenburg, 1960, <u>Varieties of Lettuce</u>, <u>An International Monograph</u>, Institunt Voor de Veredeling van Tuinbouwgewassen, Wageningen, Holland.
- 2. L. L. Morse, 1930, Field Notes on Lettuce, published by Ferry-Morse Seed Co.

LEAF COLOR: Any recognized color fan may be used to determine the leaf color of the described variety. The following lettuce varieties may be used as a guide to identify the eight colors listed on the form.

	9	Color		<u>Variety</u>
1	-	Red	i sa Gara	"Salad Trim"
2	-	Reddish-brown		"Ruby"
.3	-	Yellow		"Salad Bowl"
4	-	Yellowish-green		"Oakleaf"
5	-	Greyish-green		"White Boston"
6	-	Bluish-green		"Bibb"
.7	-	Dark-green		"Imperial" group
8	-	Very dark green		"Deer Tongue"

PLANT SIZE: The following varieties may be used as a guide to identify the plant type size:

	Type		Small		Medium		Large	
	l - Cutting (leaf)	Boston-Curle	d	Prize Head		Black Seeded	Simpson
. ;	2 - Stalk		Celtuce	1.5		1.5 5.5		
. :	3 - Cos		Express	ŢĄ.	White Paris		Giant White	
	4 - Crisphead		Mignonette		Hanson		Malta	
٠.	5 - Butterhea	ıd	Tom Thumb	1,7 E.A. 11 E.A.	Hubbard Market		Mammoth Butte	r
. (6 - Latin		Sucrine		Creole		Deer Tongue	

VARIETY: Calsweet (formerly $\underline{E4217}$ (formerly $\underline{3C-56}$ (formerly 3C-X9C(A) $\underline{2(DM)}$ Ms(S)B(DM)Ms(C)Ms)))

EXHIBIT D: Data Indicative of Novelty.

7800089

<u>Calsweet</u> most closely resembles the variety <u>Calmar</u>. It is distinct from <u>Calmar</u> by having narrower petiole (at the core), narrower core, and a more flattened head (a more shallow head depth).

A. Measurements below were obtained from a planting made November 23, 1976 in a greenhouse held at a minimum 68 degrees Fahrenheit at Columbus, Wisconsin. Measurements of 10 paired comparisons were made February 17 to March 4, 1977

	<u>Calsweet</u>	<u>Calmar</u>	<u>d</u>	$\frac{\mathbf{s}_{\mathbf{d}}}{\mathbf{d}}$	<u>t</u>	<u>P</u>
1.	Petiole width 15.4 of top head leaf at core	24.4	8.8	2.070	4.25	.005001
	(mm) Range (10-23)	(13-31)				
2.	Core diameter 17.4 after removal of wrapper leaves (mm)	21.3	3.9	0.985	3.96	.005001
	Range (14-22)	(19-25)				
3.	Head depth 8.2 from core to top of head	9.9	1.7	0.712	2.38	.05025
	(cm) Range (7-11.5)	(8-12.5)	*			

B. Measurements below were obtained from 10 paired comparisons from a field planting made in the San Joaquin Valley in California planted November 22, 1976. Measurements were made April 7, 1977.

					5.742			
	<u>C</u>	<u>alsweet</u>	Calmar	<u>ā</u>	s d	<u>t</u>	<u>P</u>	
1.	Petiole width of top head leaf at core	25.7	36.0	10.25	0.876	11.7	< .001	
	(mm) Range (22~30)	(35-37.5)					
2.	Core diameter after removal of wrapper leaves (mm)	25.7	35.6	9.85	0.428	23.6	<.001	
	` '	5-27.5)	(35-37)					
	Head depth from core to	11.6	14.3	2.65	0.150	17.7	<.001	
	top of head				P.C	0		

		EXHIBIT "E"
		Plant Variety Protection Application
		No:
	4	ASSIGNMENT
I,	GEO	RGE C. EMERY , agree and hereby
lo transfer and	assign to FERRY-MO	RSE SEED COMPANY all of my rights, title,
ınd interest in	and to that certain	n variety namely,
	HEAD L	ETTUCE - CALSWEET
or which appli	cation for Plant Va	riety Protection Certificate has been filed
his agrement sl	nall be binding on m	my administrators, successors and assigns.
In Witne	ess Whereof, I have	executed this agreement this
15th	day of	May , 19 <u>78</u> .
.*		
		BREEDER
		Harge C. Emery
	•	DR. GEORGE C. EMERY

ASSIGNMENT OF INTELLECTUAL PROPERTY

WHEREAS, HARRIS MORAN SEED COMPANY, a corporation duly organized and

existing under the laws of the State of Maryland, having its principal place of business at 4511

Willow Road, Suite 3, Pleasanton, California 94588 ("Assignor"), has, pursuant to that certain

Bill of Sale and Assignment dated as of June 30, 1997, transferred to FERRY-MORSE SEED

COMPANY (CALIFORNIA), a corporation duly organized and existing under the laws of the

State of California, having its principal place of business at 555 Codoni Avenue, P.O. Box 4938,

Modesto, California 95352-4938 ("Assignee"), all of the intellectual property Assignor had

adopted, used and was using as of the effective date of this Assignment, including without

limitation, the intellectual property represented by the United States Plant Variety Protection

Certificates of Assignor identified on Schedule A hereto (collectively, the "Property"); and

WHEREAS, on the date hereof, Assignee has changed its name to "Harris Moran Seed

Company";

NOW, THEREFORE, effective by this instrument as of the close of business on

June 30, 1997, and for good and valuable consideration, receipt of which is hereby

acknowledged, Assignor hereby assigns to Assignee any and all right, title and interest

worldwide in and to the Property and any and all recordations thereof, including, but not limited

to, the use of the Property in any manner, all benefit of any and all prior use of the Property, and

any and all rights to initiate claims or proceedings for past, present or future infringements of

Assignor's rights, title and interest in and to the Property.

Dated: as of June 30, 1997

HARRIS MORAN SEED COMPANY

NEWY01A:171511:1:09/26/97 26757-1

UIVUUFA

CERTIFICATE OF AMENDMENT

OF THE

ARTICLES OF INCORPORATION

OF

FERRY-MORSE SEED COMPANY (CALIFORNIA)
(a California corporation)

ENDORSED FILED

In the office of the Secretary of State of the State of California

JUN 3 0 1997

BILL JOHES, Segretary of State

To the Secretary of State State of California

Pursuant to the provisions of the General Corporation Law of the State of California, the undersigned officers of FERRY-MORSE SEED COMPANY (CALIFORNIA), a California corporation (the "Corporation"), do hereby certify as follows:

- The name of the Corporation is Ferry-Morse Seed Company (California).
- 2. Article One of the Corporation's Articles of Incorporation, which relates to the name of the Corporation, is hereby amended in its entirety to read as follows:

One. The name of this Corporation is: HARRIS MORAN SEED COMPANY.

- The amendment herein provided for has been approved by the Corporation's Board of Directors.
- 4. The amendment herein provided for was approved by the written consent of the Corporation's sole shareholder in accordance with the provisions of Section 902 of the California General Corporation Law. The total number of outstanding shares of the corporation is 5,000.

IN WITNESS WHEREOF, each of the undersigned does hereby declare under the penalty of perjury that he or she signed the foregoing Certificate of Amendment as of June 30,

1997, in the Town of Modesto, State of California, in the official capacity set forth beneath his or her signature and that the statements set forth in this certificate are true of his or her own knowledge.

Yves Queste, President

Helen Andritsakis, Secretary

A493976



SECRETARY OF STATE



I, BILL JONES, Secretary of State of the State of California, hereby certify:

That the attached transcript has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

> IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this

> > JUN 3 0 1997



Bill Ins

Secretary of State